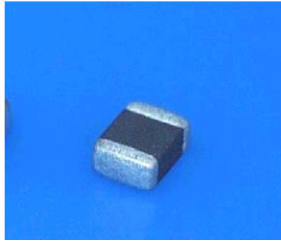


# Multi-layer Power Inductor : MIPS<sup>A</sup>2520D series (High current Type)



**MIPSA2520D series**  
(2.5 x 2.0 x 1.2mm max)

## Features

- 2.5x2.0 mm and 1.2 mm in height (compact size): CAE and fine printing technology made this compact size possible
- Stable minimum DC resistance in the class
- High speed mounting: Using SMT mounter makes less than a second mounting possible
- Excellent mounting strength by SMD chip making
- Reduced noise over 2/3 of coil inductor by optimal design of CAD
- Completely lead-free product and support lead-free solder

## Applications

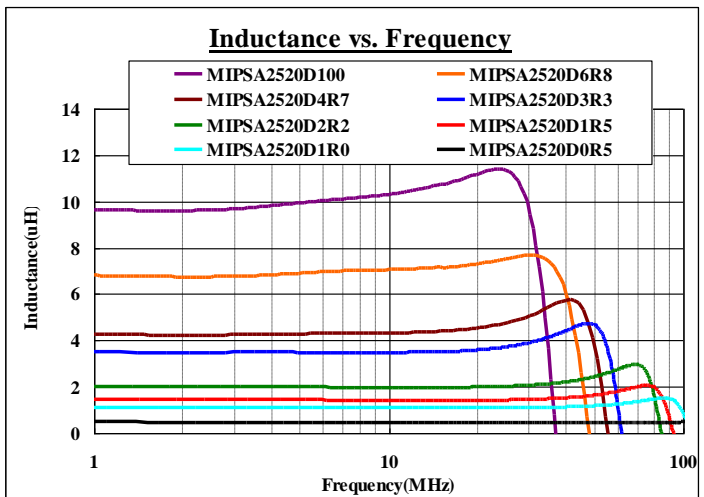
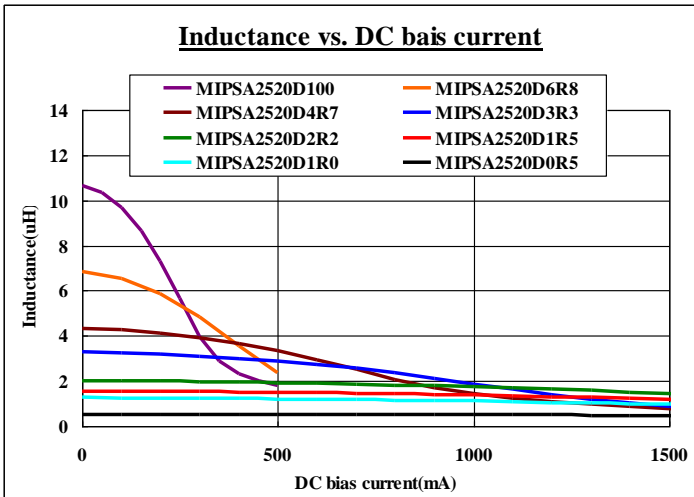
- DC-DC converters and power modules used for the following equipments. Compact electrical instruments such as cellular phones, DSC, DVC, PDA, DVD and HDD.

## Specifications

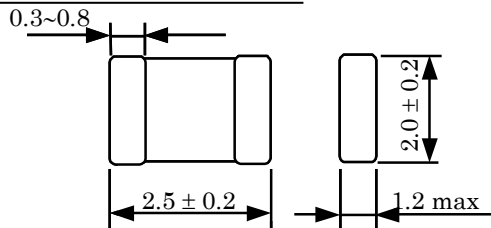
Product name	MIPSA2520D 100	MIPSA2520D 6R8	MIPSA2520D 4R7	MIPSA2520D 3R3	MIPSA2520D 2R2	MIPSA2520D 1R5	MIPSA2520D 1R0	MIPSA2520D 0R5
Inductance(μH) at 1MHz	10±30%	6.8±30%	4.3±30%	3.6±30%	2.0±30%	1.6±30%	1.3±30%	0.5±30%
DC resistance(ohm)	0.13±30%	0.12±30%	0.13±30%	0.12±30%	0.11±30%	0.10±30%	0.09±30%	0.06±30%
Rated current(A)_typ.*1	0.9	1.0	0.9	1.0	1.1	1.2	1.2	1.4
Rated current(A)_typ.*2	0.2	0.3	0.6	0.8	1.4	1.5	1.6	3.3

Rated current\_typ.\*1 : In case temperature rise to 40°C due to self-heating. Operating temperature range: -40~85°C

Rated current\_typ.\*2 : The saturation current : L=-30% down from initial L value.



## Shapes and Dimensions



Standard package : Emboss taping (reel)

### Recommended land pattern

